



Grays Harbor County Harp Bridge

Load Posting

Grays Harbor County Harp Bridge



Bank Sloughing on Mudsill End

Grays Harbor County Harp Bridge



Mudsill Timber Abutment

Grays Harbor County Harp Bridge



Evidence of High Water Level & Leaking Deck

King County Bandaret Bridge Elevation View



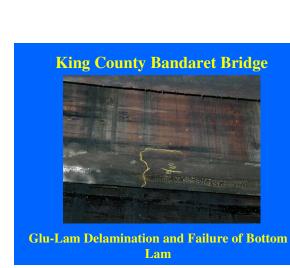


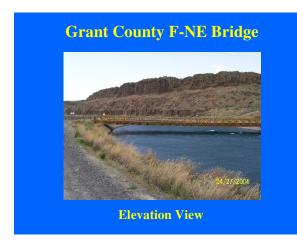


King County
Bandaret
Bridge

Deteriorating
Timber Abutment
and Backwall





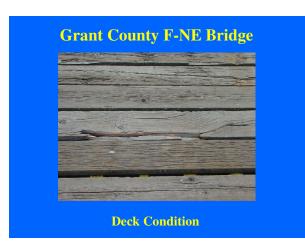


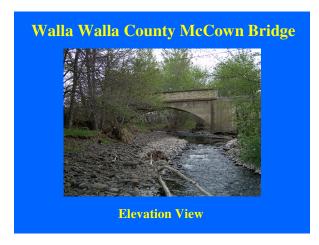




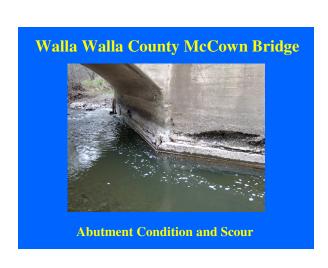
Grant County F-NE Bridge

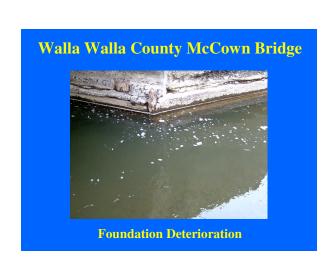
Truss Girder Configuration

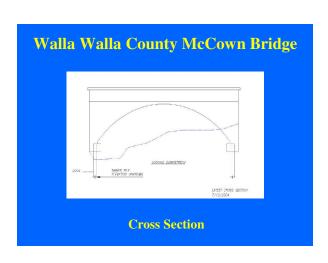












Clark County Klineline Bridge



Elevation View

Clark County Klineline Bridge



Deck View

Clark County Klineline Bridge



Center Pier Mitigation and Headcut Downstream

Clark County Klineline Bridge



Abutment Scour

Clark County Klineline Bridge

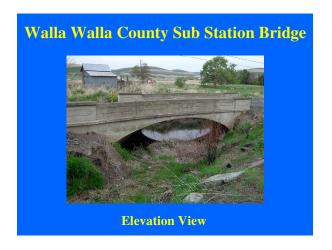


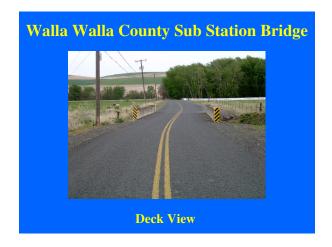
Headcut Downstream of Center Pier

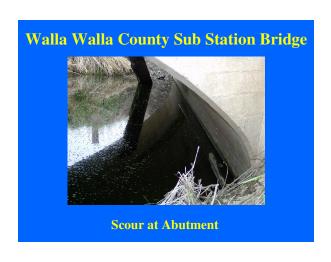
Clark County Klineline Bridge



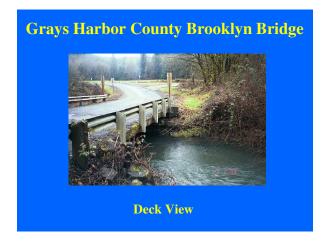
Attempted Riprap Mitigation

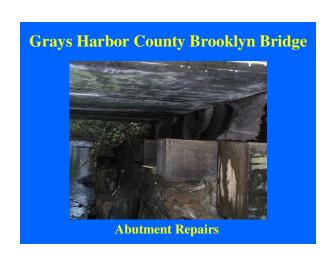


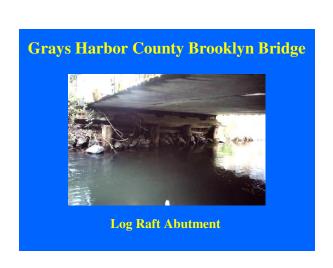


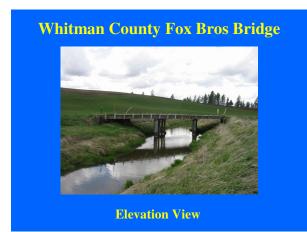




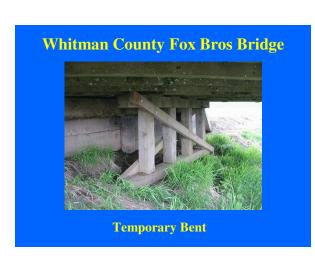


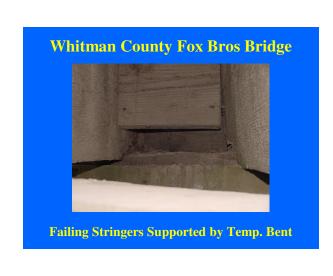


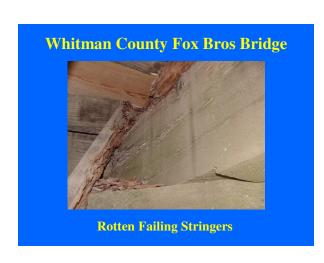




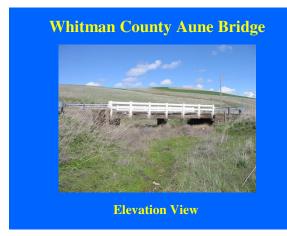


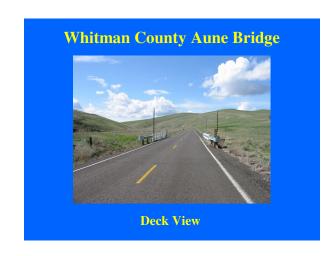


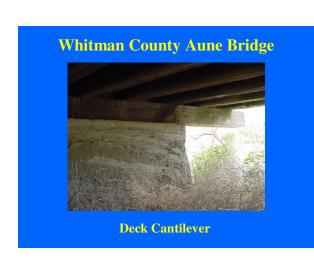


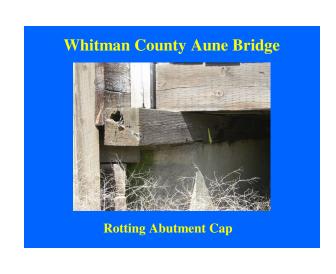


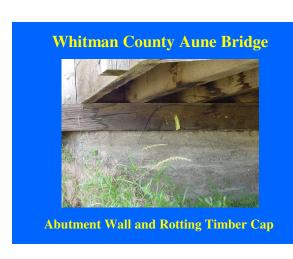


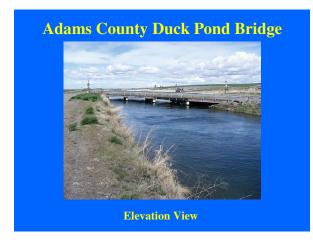




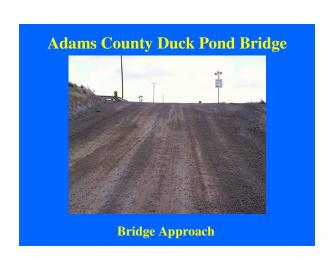


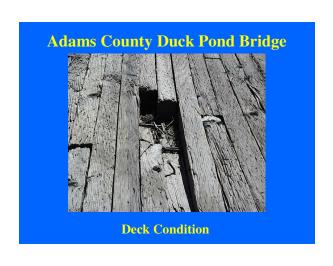


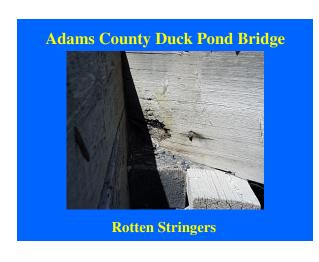


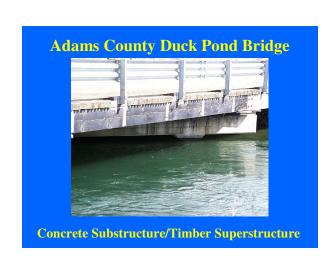


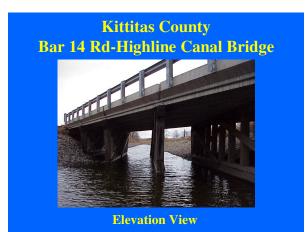


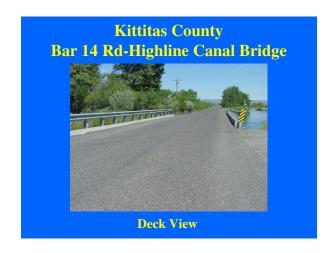


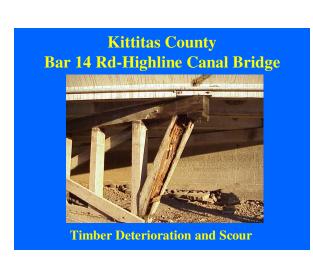


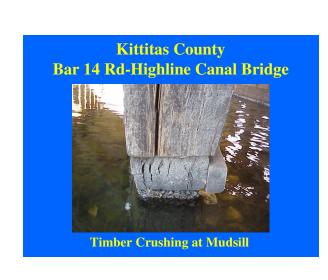


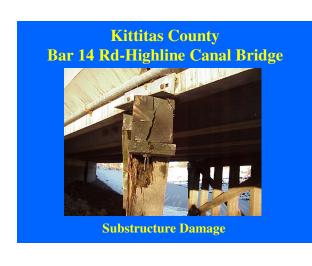










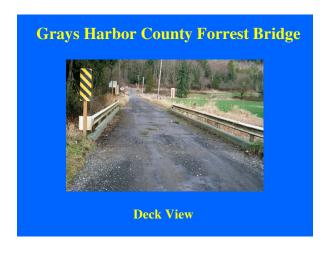


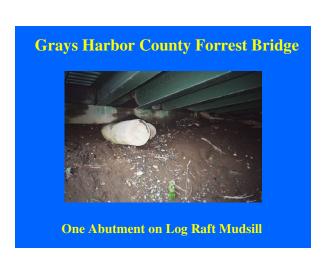


Kittitas
County
Bar 14 RdHighline
Canal Bridge

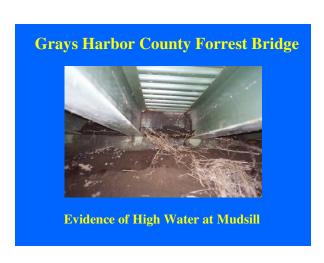
Misalignment of
Superstructure

Grays Harbor County Forrest Bridge Elevation View









City of Walla Walla Palouse at Mill Creek Bridge



Elevation View

City of Walla Walla Palouse at Mill Creek Bridge



Deck View

City of Walla Walla Palouse at Mill Creek Bridge



Concrete Deterioration Under Sidewalk

City of Walla Walla Palouse at Mill Creek Bridge



Outside Concrete Beam Deterioration

City of Walla Walla Palouse at Mill Creek Bridge



Outside Beam Bearing

City of Walla Walla Palouse at Mill Creek Bridge



Outside Beams are Shallower than Interior

Franklin County Dilling Lane Bridge



Elevation View

Franklin County Dilling Lane Bridge



Deck View

Franklin County Dilling Lane Bridge

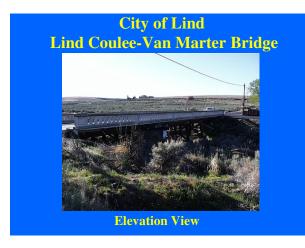


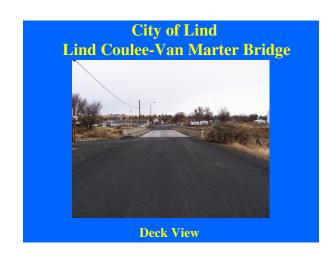
Repair to Reinforce Failing Stringers

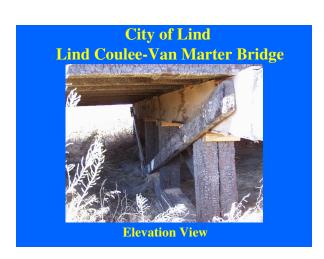
Franklin County Dilling Lane Bridge

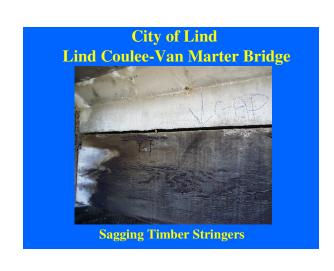


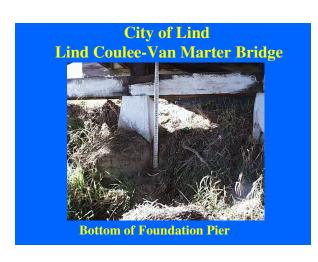
Load Posting

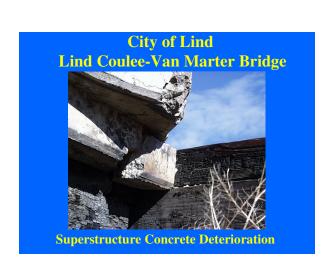








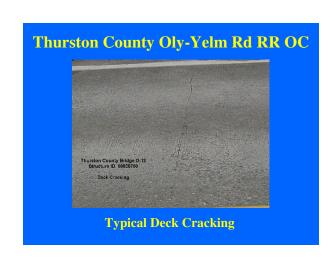




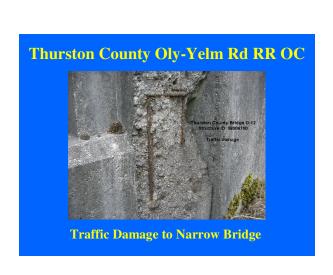
Thurston County Oly-Yelm Rd RR OC Thurston County Bridge 0-12 Structure 10 20008700 View from BNRR Elevation View













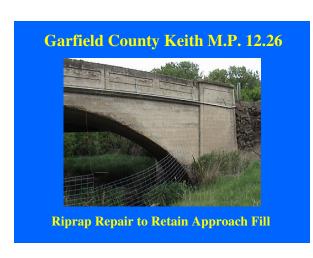
Elevation View



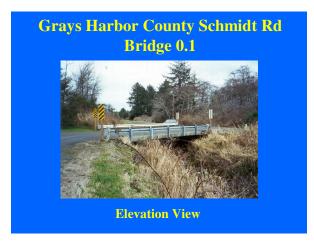


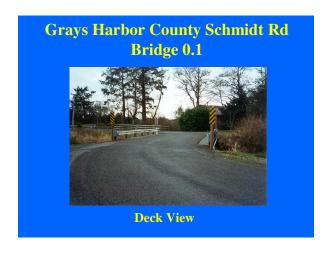


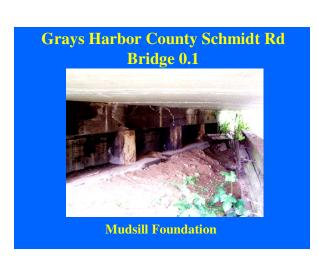


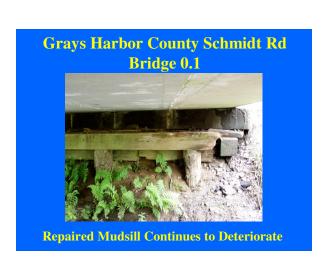


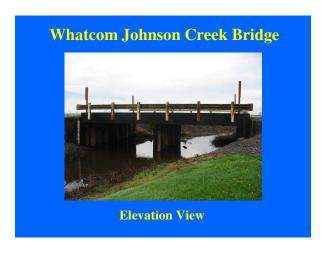


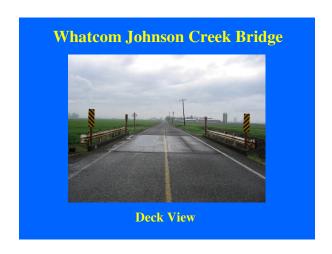


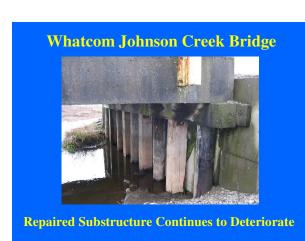












City of Tacoma Puyallup River Bridge A



Elevation View

City of Tacoma Puyallup River Bridge A



Deck View

City of Tacoma Puyallup River Bridge A



Typical High Load Damage

City of Tacoma Puyallup River Bridge A



Typical Corrosion

City of Tacoma Puyallup River Bridge A



Critical Damage (Has Been Repaired)

City of Tacoma Puyallup River Bridge A



Traffic Back-up at Portland Avenue

City of Tacoma East Lincoln Avenue Bridge



Elevation View

City of Tacoma East Lincoln Avenue Bridge

Deck View

City of Tacoma East Lincoln Avenue Bridge



Deck Patching

City of Tacoma East Lincoln Avenue Bridge



Deteriorated Concrete at Steel Stringer Interface

City of Tacoma East Lincoln Avenue Bridge



Typical Bearing Condition

City of Tacoma East Lincoln Avenue Bridge



Intermediate Pier with Drift Accumulation

Grays Harbor County Schmidt Rd Bridge 0.5



Elevation View

Grays Harbor County Schmidt Rd Bridge 0.5



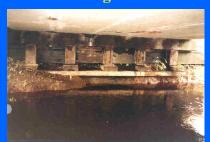
Deck View

Grays Harbor County Schmidt Rd Bridge 0.5



Slab Bridge on Scouring Mudsills

Grays Harbor County Schmidt Rd Bridge 0.5



Scouring Mudsill

Grays Harbor County Schmidt Rd Bridge 0.5

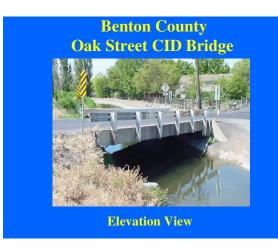


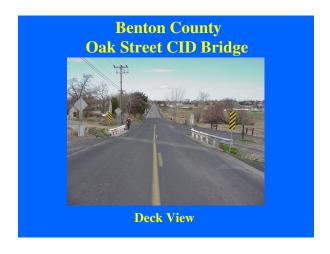
Undermining Mudsill

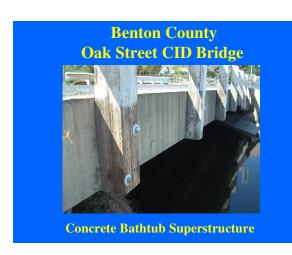
Grays Harbor County Schmidt Rd Bridge 0.5

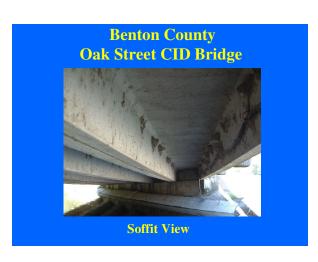


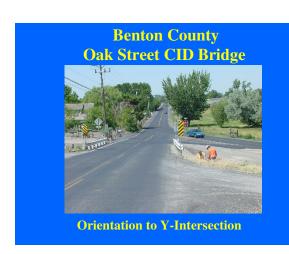
Mudsill Detail

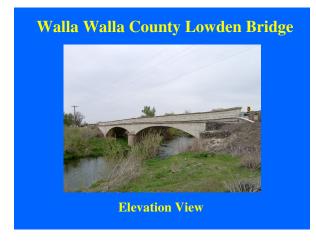












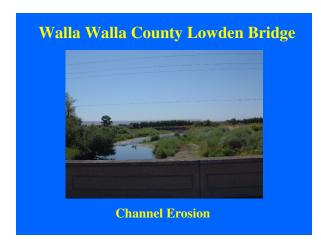


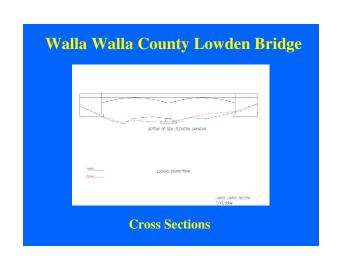


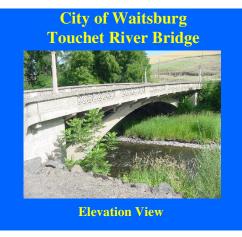
Walla Walla County Lowden Bridge

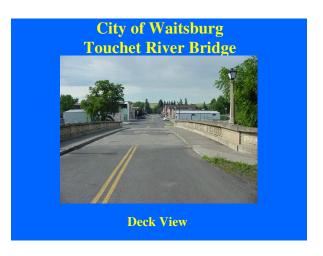
Scour at Center Pier and Riprap Mitigation

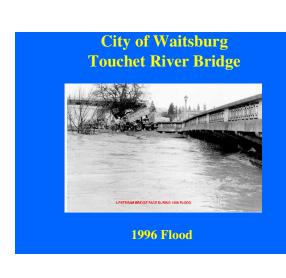


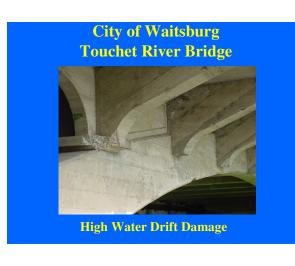


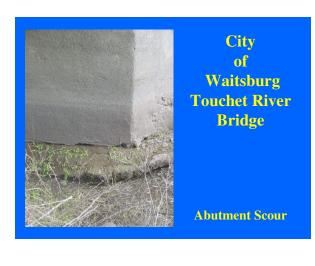


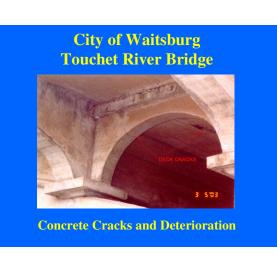


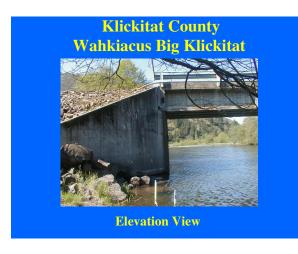




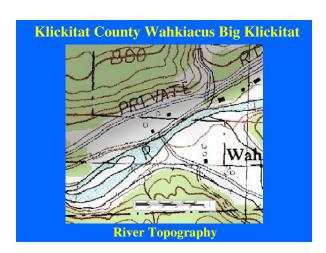














Klickitat County Wahkiacus Big Klickitat

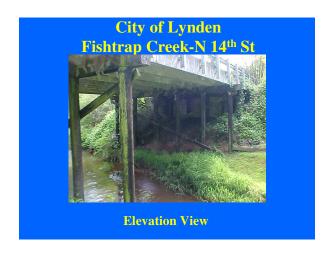
Abutment Scour

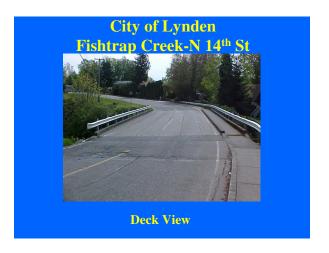


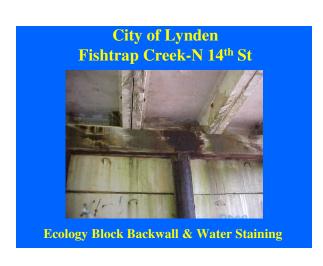
Klickitat County Wahkiacus Big Klickitat

Abutment Damage due to Settlement Caused by Scour









Lincoln County East Pfiefer Bridge



Elevation View

Lincoln County East Pfiefer Bridge



Deck View

Lincoln County East Pfiefer Bridge



Previous Mitigation and Subsequent Scour

Lincoln County East Pfiefer Bridge



Abutment Cracking and Riprap Repair

Lincoln County East Pfiefer Bridge



Bearing Damage

Lincoln County East Pfiefer Bridge



Bridge Soffit

